



Issue No. 1

Quarterly Newsletter

January-March 2004

## Environmental Compliance Officer (ECO)

### DIRECTORATE OF ENVIRONMENTAL INTEGRATION MISSION

The U.S. Army Engineer School is the Army and Branch proponent for the development and integration of environmental considerations across Doctrine, Organizations, Training, Materiel, Leadership and education, Personnel, and Facilities (DOTMLPF) and military operations, respectively.

### DIRECTOR'S MESSAGE

This is a newsletter to keep the Army and the Environmental Community informed of environmental current events and related topics.

### IN THIS ISSUE:

	Page
ECO	1
EMS	2
Doctrine Update	3
Environmental Lessons Learned	3
Training Courses	3
Training Symposium	3
Training Catalog	4
Quarterly Vignette	4

**ECO responsibilities** can be found in Chapter 1 (page 1-16) of FM 3-100.4 *Environmental Considerations in Military Operations*. The ECO accomplishes these responsibilities on behalf of the unit Commander and provides coordination between the unit and higher/installation environmental staffs. The ECO could create and maintain an **ECO continuity book**. Contents can include:

- ECO appointment orders.
- Unit environmental training needs and records of training when conducted.
- Unit Environmental Self-Assessments and follow-up actions.
- Previous environmental risk assessments.
- Organizational Inspection Program (OIP) results as they relate to the unit environmental program.
- Maintain a list of what hazardous materials are in the unit. The Directorate of Logistics (DOL) or the Hazardous Material Control Center (HMCC) can provide the unit with an Authorized Usage List (AUL) for hazardous materials. This list is helpful for deployments and it also is needed for annual reporting purposes by the DPW (EPCRA Report).
- Material Safety Data Sheets (MSDS) unless already in a centralized area.
- Unit environmental SOP, updated as conditions change.
- Hazardous Waste (HW) turn-in documentation (or this may be maintained by the HW manager).

Establishing a continuity book can be a valuable resource for the unit and should be periodically updated. It provides a snapshot of the unit's environmental performance and provides continuity if the ECO is reassigned or not available. Other good ideas include:

- Developing a unit **environmental training plan**.
- Locating a copy of the unit environmental SOP in a common area.
- Environmental awareness should be completed during a new member's inprocessing and tour of the work areas.
- Maintaining an annual training needs roster.
- Creating an **environmental awareness bulletin board**.



## UPCOMING EVENTS

1-5 March 2004 –  
Army Environmental  
Training Symposium,  
Kansas City, Missouri.

March 29-2 April 2004 –  
National Guard Bureau,  
National Environmental  
Workshop, Louisville,  
Kentucky

5-8 April 2004 – National  
Defense Industrial Assoc.  
Symposium & Exhibition,  
San Diego, CA

August 16-19 2004 –  
Joint Services Environmental  
Management Conference  
(P2), San Antonio, Texas

August 2004 –  
Science and Technology  
Conference, Fort Leonard  
Wood, Missouri

## Environmental Management System (EMS)

The following are our current accomplishments and near term plans with regards to Environmental Management System (EMS) training and support:

- The Army EMS Training Plan and Strategy, and Senior Leader EMS Awareness Training have been developed and staffed for comments. The EMS Implementation Training is being staffed internally and will soon be staffed out for comment. Once all comments have been considered and incorporated, we will post all products to the DENIX EMS site and AKO DEI community site.
- A trial run of the EMS Senior Leader training was presented in October at Fort Leonard Wood.
- An EMS General Awareness video is scheduled for production in 2nd Qtr FY04 and will include a training template with the video package.
- An EMS module has been incorporated in our web based Distance Learning ECO training course. The web based course must go through SCORM testing by ATSC and will then be published to the web. The EMS training module has also been published to CD to be used as an individual training product.
- DEI has received requests and will provide mobile training teams (MTT) for EMS Senior Leader Training, Awareness Training, and Implementation Training, as available, as well as assisting in implementation strategy development. If needed, we will also assist installations and facilities in developing site-specific training programs.
- DEI will have 4-5 Lead Auditor trained individuals by the end of FY 04 and will begin developing Lead Auditor training in FY 05.
- Auditor trained personnel will participate in planned EMS audits and EPAS (ECAS) audits during FY 04.
- DEI will develop an EMS implementation plan/strategy for individual military units (battalion level) that will be readily integrated into installation plans while allowing flexibility for utilization during deployments. POC is ESS Division at: [atsedeie@wood.army.mil](mailto:atsedeie@wood.army.mil)



## Environmental Lessons Learned

We are currently collecting lessons learned from Operation Enduring Freedom (OEF) and Operation Iraqi Freedom (OIF). We are consolidating information from these two major operations and are preparing a comprehensive list of lessons learned and follow up actions. DEI sent a representative to Afghanistan and is working in collaboration with the ARCENT CFLCC C7 representative that has recently returned from the OEF and OIF Area of Operations (AO) and has shared lessons learned. We have recently posted an environmental lessons learned database to the DEI website and are continuing to update it. The lessons learned web page may be accessed through the DEI homepage or by direct link at [http://www.wood.army.mil/dei/ess\\_ll\\_search.asp](http://www.wood.army.mil/dei/ess_ll_search.asp) POC is ESS Division at: [atsedeie@wood.army.mil](mailto:atsedeie@wood.army.mil)

## Training Courses

Part of our mission is to review those courses being developed by other schools. Your assistance is requested by adding ATSE-DEI to your POC lists. This will hopefully ensure that we receive copies for review and comment. We have also been updating our environmental course modules in the Pre-Command Course (PCC), Officers Basic Course (OBC), and the Captains Career Course (CCC) with environmental input gathered from the most recent war initiatives. We are reviewing those environmental courses taught at Army Logistics Management College (ALMC) for their content and any required revisions. POC is Training Division at: [atsedeit@wood.army.mil](mailto:atsedeit@wood.army.mil)

## Doctrine

FM 3-100.4 (3-34.500)/MCRP 4-11B *Environmental Considerations in Military Operations* revision planning is underway! Lessons learned and TTPs from Operations Enduring Freedom and Iraqi Freedom will be incorporated. The revision will be known as FM 3-34.500/MCRP 4-11B, *Environmental Considerations in Military Operations*. Submit recommendations to Doctrine Division at: [atsedeid@wood.army.mil](mailto:atsedeid@wood.army.mil)

## Army Environmental Training Symposium

The dates for the next Army Environmental Training Symposium are 1-5 March 2004, in Kansas City, MO. The location is the Westin Crown Center Hotel, One Pershing Road, Kansas City, (816) 474-4400. Information on the Symposium is now posted on the DEI website. POC is Training Division at: [atsedeit@wood.army.mil](mailto:atsedeit@wood.army.mil)



## Environmental Training Catalog

DEI consolidated a listing of all known (Joint Services, Federal, DoD) environmental training products, training courses, and references and placed this information in our Training Catalog. The intent is to have this information integrated into one location. Electronic links connect to the source of the information. Much of this information is on the web and can be downloaded but some of it must be ordered as in the case of videos. This is a searchable database that will be constantly updated as new products become available or become obsolete. You can now locate this database by visiting our website at: [www.wood.army.mil/dei](http://www.wood.army.mil/dei) Please send comments to: [atsedei@wood.army.mil](mailto:atsedei@wood.army.mil)

### *Quarterly Lessons Learned Vignette*

#### ***Situation***

*During Operation Enduring Freedom, units occupied numerous existing structures at former Soviet Air Force Bases. At one base, a unit occupied a hardened aircraft shelter, used to protect MIGs from damage. This structure had a concrete floor and was almost fully enclosed with poor ventilation. No risk assessment or Environmental Baseline Survey was performed. A 2-story structure was constructed within this shelter using common lumber materials. The bottom floor was the workspace and the top floor the living space. Heat was provided via electric space heaters. Over a matter of weeks the Soldiers working in this structure experienced short-term respiratory illnesses. Upon further investigation it was determined that the warming of the structure caused the petroleum, oils and lubricant (POL) products and the cleaning substances embedded in the cracks and joints in the concrete to vaporize and collect in the upper level of the structure. These vapors were causing the respiratory illnesses.*

#### ***Tactics, Techniques and Procedures***

*Units must use existing facilities for the original intended or similar purposes. A hasty risk assessment must be conducted to determine existing environmental or health hazards. This information must be reported through the chain of command so that a deliberate risk management plan can be established. This information will be included in the Environmental Baseline Survey for this site.*

This newsletter is distributed quarterly by the Directorate of Environmental Integration, US Army Engineer School as an unofficial newsletter published under authority of AR 360-1. The purpose is to provide environmental information to Soldiers and civilians. Address inquiries to:

PHONE: (573) 563-4119

WEBPAGE: [www.wood.army.mil/dei](http://www.wood.army.mil/dei)

EMAIL: [atsedei@wood.army.mil](mailto:atsedei@wood.army.mil)

MAILING ADDRESS: USAES-DEI

320 MANSCEN Loop, Suite 370

Fort Leonard Wood, MO 65473-8929

*To unsubscribe, or for comments or suggestions for our newsletter, please call or email us.*